

ATTORNEY DOCKET NO. 600-33-DIV

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of ) Examiner: Unknown  
 BEARD, et al. )  
 ) Art Unit: 1626  
 )  
 Serial No.: 10/612,667 )  
 )  
 Filed: 07/02/03 )  
 )  
 For: AMINES SUBSTITUTED WITH )  
 DIHYDRONAPHTHALENYL, )  
 CHROMENYL OR )  
 THIOCHROMENYL GROUP HAVING )  
 RETINOID-LIKE BIOLOGICAL )  
 ACTIVITY )

INFORMATION DISCLOSURE STATEMENT

Mail Stop DD  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Certificate of Mailing

I hereby certify that this correspondence is being deposited on October 6, 2003 with the United States Postal Service First Class Mail addressed to: Mail Stop DD, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Toni Whyte  
 Toni Whyte  
October 6, 2003  
 Date

Dear Sir:

Pursuant to 37 CFR Sections 1.97 and 1.98, and in fulfillment of the duty of candor set forth in 37 CFR Section 1.56, Applicant cites the following documents listed on Form 1449, submitted herewith. Copies of the non-U.S. references are enclosed.

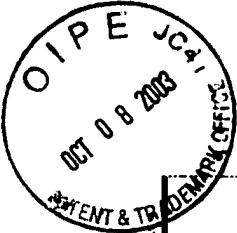
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)	MM-DD-YYYY		
		US-5,877,207	03/02/99	Klein, et al.	
		US-4,898,872	02/06/90	Campbell, et al.	
		US-5,773,594	06/30/98	Johnson, et al.	
		US-5,505,083	03/09/96	Hines	
		US-5,808,124	09/15/98	Beard, et al.	
		US-5,952,345	09/14/99	Klein et al.	
		US-5,958,954	09/28/99	Klein et al.	
		US-5,618,931	04/08/97	Beard et al.	



		US-5,489,584	02/06/96	Vuligonda, et al.	
		US-5,559,248	09/24/96	Starrett, Jr., et al.	
		US-5,648,514	07/15/97	Johnson, et al.	
		US-5,455,265	10/03/95	Chandraratna	
		US-5,763,635	06/09/98	Vuligonda	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Comments	T <sup>2</sup>
		Country Code	Number-Kind <sup>2</sup> (if known)				
		WO	9845242 A1	10/15/98	Shudo, et al.		
			French Patent 94 05019	10/27/95	Bernardon Jean-Michel	Describes bicyclic aromatic compounds shown by the formula in the first page of the application. The compounds are said to be usable as pharmaceuticals and cosmetics.	
			Japanese Patent JP63132864	06/04/88	Masamoto, et al.	Has an English language abstract.	
			EPO 0 661 259 A1	07/05/95	Starrett, et al.		
			WO 93/11755	06/24/93	Evans, et al.		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T <sup>2</sup>
		VERMA et al., Cancer Research, 1977, 2196-2201, 37	<input type="checkbox"/>	
		O'BRIEN et al., Cancer Research, 1975, 1662-1670	<input type="checkbox"/>	
		FEIGNER P.L. et al., Focus, 1989, 112	<input type="checkbox"/>	
		HEYMAN et al., Cell, 1992, 397-406, 68	<input type="checkbox"/>	
		ALLEGRETTO et al., J. Biol. Chem., 26625-26633, 268	<input type="checkbox"/>	
		MANGELSDORF et al., The Retinoids: Biology, Chemistry, and Medicine, 319-349, Raven Press Ltd., New York	<input type="checkbox"/>	
		CHENG et al., Biochemical Pharmacology, 3099-3108, 22	<input type="checkbox"/>	
		KLEIN et al., J. Biol. Chem., 1996, 22692-22696, 271	<input type="checkbox"/>	



	CHEN et al., Mol. Cell. Biol., 1987, 2745-2752, 7	<input type="checkbox"/>
	DE WET, Mol. Cell. Biol., 1987, 725-737, 7	<input type="checkbox"/>
	NAGPAL et al., Embo J., 1993, 2349-2360, 12	<input type="checkbox"/>
	JOHNSON et al., 1999, 1321-1338, 7	<input type="checkbox"/>
	MARCH, Advanced Organic Chemistry, 2 <sup>nd</sup> edition, McGraw-Hill Book Company, pg. 357, 810,1124	<input type="checkbox"/>
	MCOMIE, Plenum Publishing Press, 1973 and Protecting Groups, Ed. Greene, John Wiley & Sons, 1981.	<input type="checkbox"/>
	COREY et al., Tet. Lett., 1979, 399	<input type="checkbox"/>
	OMURA et al., Tetrahedron, 1978, 34, 1651	<input type="checkbox"/>
	OLD et al., J. Am. Chem. Soc., 1998, 120, 9722	<input type="checkbox"/>
	LAKSHMAN et al., J. Am. Chem. Soc., 1999, 121, 6090	<input type="checkbox"/>

REMARKS

Submission of the foregoing document is no representation that a search was made, or if made, that it was comprehensive, or that no other documents exist which may be material to the above-identified application. Moreover, the Applicant does not concede that the foregoing document is necessarily prior art to the invention.

Date: October 6, 03

By: Gabor L. Szekeres  
Gabor L. Szekeres  
Registration No. 28,675

Law Offices of Gabor L. Szekeres  
8141 E. Kaiser Boulevard, Ste. 112  
Anaheim, CA 92808  
Telephone: (714) 998-3295 Facsimile: (714) 998-3296



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/612,667
		Filing Date	07/02/03
		First Named Inventor	Richard BEARD, et al.
		Art Unit	1626
		Examiner Name	Unknown
Sheet	1	of	3
		Attorney Docket Number	600-33-DIV

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,877,207	03/02/99	Klein, et al.	
		US-4,898,872	02/06/90	Campbell, et al.	
		US-5,773,594	06/30/98	Johnson, et al.	
		US-5,505,083	03/09/96	Hines	
		US-5,808,124	09/15/98	Beard, et al.	
		US-5,952,345	09/14/99	Klein et al.	
		US-5,958,954	09/28/99	Klein et al.	
		US-5,618,931	04/08/97	Beard et al.	
		US-5,489,584	02/06/96	Vuligonda, et al.	
		US-5,559,248	09/24/96	Starrett, Jr., et al.	
		US-5,648,514	07/15/97	Johnson, et al.	
		US-5,455,265	10/03/95	Chandraratna	
		US-5,763,635	06/09/98	Vuligonda	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		WO 9845242 A1	10/15/98	Shudo, et al.		
		French Patent 94 05019	10/27/95	Bernardon, Jean-Michel		
		Japanese Patent JP63132864		Masamoto, et al.		
		EPO 0 661 259 A1		Starrett, et al.		
		WO 93/11755	06/24/93	Evans, et al.		

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.  
<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.  
 Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. any comments on the amount of time you are required complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES FOR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Applicant Number	10/612,667
				Filing Date	07/02/03
				First Named Inventor	Richard BEARD, et al.
				Group Art Unit	1626
				Examiner Name	Unknown
Sheet	2	of	3	Attorney Docket Number	600-33-DIV

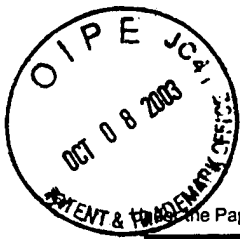
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T? <input type="checkbox"/>
		DAWSON, et al., Chemistry and Biology of Synthetic Retinoids, 1990, 334-335 and 324-356, CRC Press inc.	<input type="checkbox"/>
		VERMA et al., Cancer Research, 1977, 2196-2201, 37	<input type="checkbox"/>
		O'BRIEN et al., Cancer Research, 1975, 1662-1670	<input type="checkbox"/>
		FEIGNER P.L. et al., Focus, 1989, 112	<input type="checkbox"/>
		HEYMAN et al., Cell, 1992, 397-406, 68	<input type="checkbox"/>
		ALLEGRETTO et al., J. Biol. Chem., 26625-26633, 268	<input type="checkbox"/>
		MANGELSDORF et al., The Retinoids: Biology, Chemistry, and Medicine, 319-349, Raven Press Ltd., New York	<input type="checkbox"/>
		CHENG et al., Biochemical Pharmacology, 3099-3108, 22	<input type="checkbox"/>
		KLEIN et al., J. Biol. Chem., 1996, 22692-22696, 271	<input type="checkbox"/>
		CHEN et al., Mol. Cell. Biol., 1987, 2745-2752, 7	<input type="checkbox"/>

<b>Examiner Signature</b>	<b>Date Considered</b>
---------------------------	------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231



PTO/SB/08B (10-01)  
 Approved for use through 10/31/2002. OMB 0651-0031  
 U.S. Patent and Trademark office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>			
				Applicant Number		10/612,667	
				Filing Date		07/02/03	
				First Named Inventor		Richard BEARD, et al.	
				Group Art Unit		1626	
				Examiner Name		Unknown	
Sheet	3	of	3	Attorney Docket Number		600-33-DIV	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		DE WET, Mol. Cell. Biol., 1987, 725-737, 7	<input type="checkbox"/>
		NAGPAL et al., Embo J., 1993, 2349-2360, 12	<input type="checkbox"/>
		JOHNSON et al., 1999, 1321-1338, 7	<input type="checkbox"/>
		MARCH, Advanced Organic Chemistry, 2 <sup>nd</sup> edition, McGraw-Hill Book Company, pg. 357, 810,1124	<input type="checkbox"/>
		MCOMIE, Plenum Publishing Press, 1973 and Protecting Groups, Ed. Greene, John Wiley & Sons, 1981.	<input type="checkbox"/>
		COREY et al., Tet. Lett., 1979, 399	<input type="checkbox"/>
		OMURA et al., Tetrahedron, 1978, 34, 1651	<input type="checkbox"/>
		OLD et al., J. Am. Chem. Soc., 1998, 120, 9722	<input type="checkbox"/>
		LAKSHMAN et al., J. Am. Chem. Soc., 1999, 121, 6090	<input type="checkbox"/>

<b>Examiner Signature</b>	<b>Date Considered</b>
---------------------------	------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231